

CAN Signal Improvement Capability Transceiver with Standby Mode

TJA1462

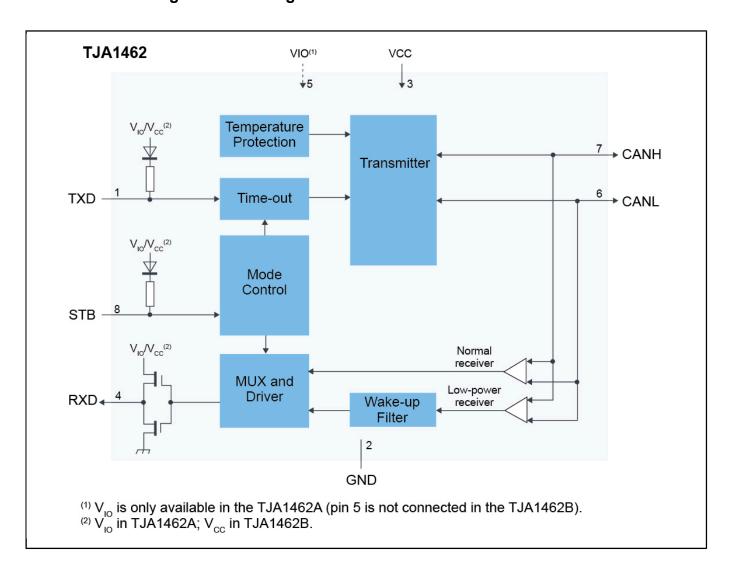
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The TJA1462 CAN signal improvement capability (SIC) transceiver with standby mode is part of the TJA146x transceiver family that implements CAN SIC as defined in CiA 601-4. By meeting the CAN physical layer as defined in ISO11898-2:2016 and SAE J2284-(1-5), the TJA1462 is fully interoperable with high-speed classical CAN and CAN FD.

CAN signal improvement significantly reduces signal ringing on a network, allowing reliable CAN FD communication to function at 5 Mbit/s in larger topologies. In addition, the TJA1462 features a much tighter bit timing symmetry performance to enable CAN FD communication up to 8 Mbit/s.

The TJA1462 is backwards compatible and a drop-in replacement for classical CAN and CAN FD transceivers, such as NXPs TJA1042 and TJA1044GT.

TJA1462 Block Diagram Block Diagram



View additional information for CAN Signal Improvement Capability Transceiver with Standby Mode.

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